



ISLAND MOUNT RANGE HOOD

READ ALL INSTRUCTIONS BEFORE INSTALLING AND OPERATING THIS APPLIANCE

Unpack and inspect the product for any shipping damages. If you find damages, do not install. Contact Customer Service at 1-866-855-2284. If you need assistance or have questions contact Customer Service.

The installation in this manual is intended for qualified installers, service technicians or persons with a similar qualified background. Installation and electrical wiring must be done by qualified professionals and in accordance with all applicable codes and standards, including fire-rated construction.

Do not attempt to install this appliance yourself. Injury could result from installing the unit due to lack of appropriate electrical and technical background.

Range hood may have very sharp edges; please wear protective gloves if it is necessary to remove any parts for installing, cleaning or servicing.

Activating any switch ON before completing installation may cause ignition or an explosion.

Due to the size and weight of this range hood, two people installation is recommended.

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

For general ventilating use only. Do not use to exhaust hazardous or explosive materials and vapors.

The combustion air flow needed for safe operation of fuel-burning equipment may be affected by this unit's operation. Follow the heating equipment manufacturer's guideline and safety standards such as those published by the National Fire Protection Association (NFPA), and the American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), and the local code authorities.

Before servicing or cleaning unit, switch power OFF at service panel and lock service panel to prevent power from being switched ON accidentally.

Clean grease laden surfaces frequently. To reduce the risk of fire and to disperse air properly, make sure to vent air outside. Do not vent exhaust into spaces between walls, crawl spaces, ceiling, attics or garages.

Ducted fans must always be vented to the outdoors.

This unit must be grounded and only metal ductwork should be used.

Sufficient air is needed for proper combustion and exhausting of gases through the duct to prevent back drafting.

When cutting or drilling into wall or ceiling, be careful not to damage electrical wiring or other hidden utilities.

All electrical wiring must be properly installed, insulated and grounded.

Old duct work should be cleaned or replaced if necessary to avoid the possibility of a grease fire.

Check all joints on duct work to ensure proper connection. All joints should be properly taped.



Use this unit only in the manner intended by the manufacturer. If you have questions, contact Customer Service.

TO REDUCE THE RISK OF A STOVE TOP GREASE FIRE

Keep all fan, baffle, spaces, filter, grease tunnel, oil container and grease-laden surfaces clean. Grease should not be allowed to accumulate on fan, baffle, spaces, filter, grease tunnel and oil container.

Always turn range hood ON when cooking at high heat or when cooking flaming foods.

Use high settings on cooking range only when necessary.

Never leave surface units unattended at high settings. Boil overs cause smoking and greasy spillovers that may ignite. Heat oils slowly on low or medium settings.

Clean ventilating fan frequently.

Always use appropriate cookware and utensils.

Always use cookware appropriate for the size of the surface element.

TO REDUCE THE RISK OF INJURY TO PERSONS IN THE EVENT OF A STOVE TOP GREASE FIRE

Smother flames with a close-fitting lid, cookie sheet, or metal tray, then turn off the burner. Be careful to prevent burns. Never pick up a flaming pan; you may be burned. Keep flammable or combustible material away from flames. If the flames do not go out immediately, evacuate and call the fire department or 911.

Do not use water, including wet dishcloths or towels; a violent steam explosion will result.

Use an extinguisher only if you know you have a Class A, B, C extinguisher, and you already know how to operate it, the fire is small and contained in the area where it started, the fire department is being called and you can fight the fire with your back to an exit.

TO REDUCE THE RISK OF INJURY TO PERSONS IN THE EVENT OF A GAS LEAK

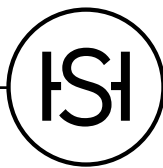
Extinguish any open flame.

Do not turn on the range hood fan or any type of ventilator.

Do not turn on the lights or any type of appliance.

Open all doors and windows to disperse the gas. If you still smell gas, call the gas company and fire department, or dial your local emergency service immediately.

Your safety and the safety of others is very important. We have provided many important safety messages in this manual and on your appliance. Always read and obey all safety messages. All safety messages will tell you what the potential hazards are, tell you how to reduce the chance of injury, and tell you what can happen if the instructions are not followed.



Signature Hardware declines all responsibility in the event of failure to observe the instructions given here for installation, maintenance and suitable use of the product.

Signature Hardware further declines all responsibility for injury due to negligence and the warranty of the unit automatically expires due to improper maintenance.

Signature Hardware will not be held responsible for any damages to personal property or real estate or any bodily injuries whether caused directly or indirectly by the range hood.

TOOLS AND MATERIALS:

Pencil or Chalk	Utility Knife	Tape Measure
Level	Drill	Flat Blade Screwdriver
Philips Screwdriver	Adjustable Wrench	

VENTING REQUIREMENTS

Vent system must terminate to the outside (roof or side wall).

Do not terminate the vent system in an attic or other enclosed area.

Do not use 4" laundry-type wall caps.

Use metal/aluminum vent only, a rigid metal/aluminum vent is recommended.

Always keep the duct clean to ensure proper airflow.

Calculate the following figures before installation:

1. Distance from the floor to the ceiling.
2. Distance between the floor to the countertop/stove (recommend 28"-31").
3. Distance between the countertop/stove to the range hood.
4. Height of hood and duct cover.

FOR THE MOST EFFICIENT AND QUIET OPERATION

A distance of 28"-31" is recommended between the stove top and the bottom of range hood.

It is recommended that the range hood be vented vertically through the roof through 6" or larger round metal/aluminum vent work.

The size of the vent should be uniform.

Use no more than three 90° elbows.

Make sure there is a minimum of 24" of straight vent between the elbows if more than one elbow is used.

Do not install two elbows together.

The length of vent system and number of elbows should be kept to a minimum to provide efficient performance.

The vent system must have a damper. If roof or wall cap has a damper, do not use damper (if supplied) on top of the range hood.

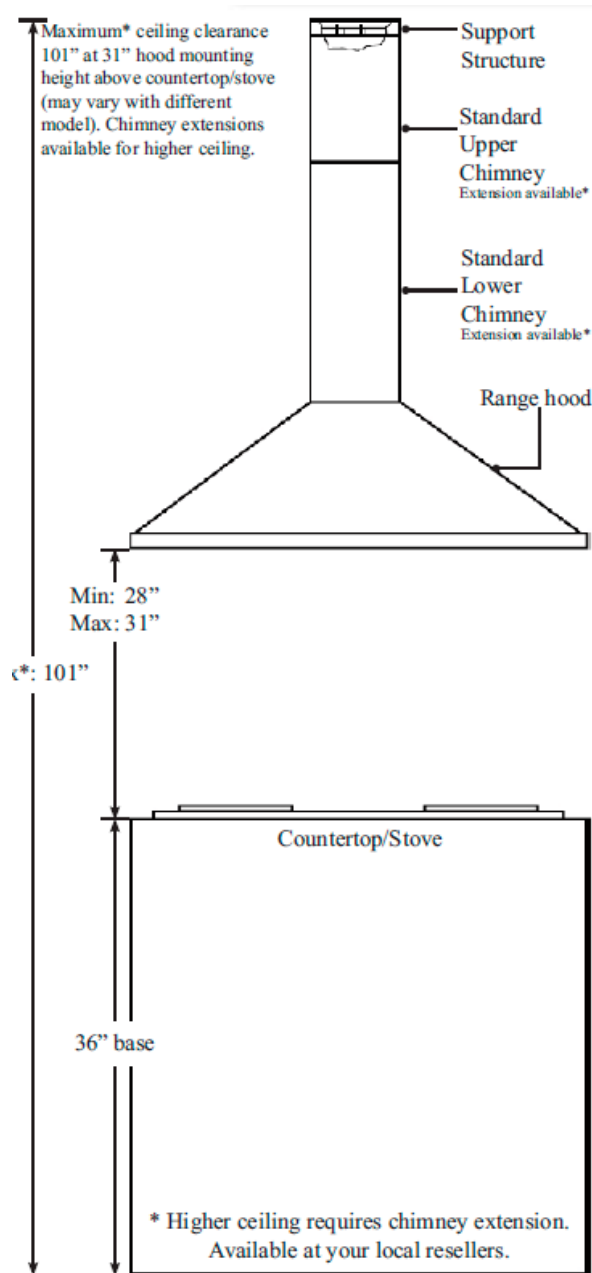
Use silver tape or duct tape to seal all joints in the vent system.

Use caulking to seal exterior wall or roof opening around the cap.

Note: Due to different ceiling height configurations, recommended height may not be applicable.



HEIGHT AND CLEARANCE



Minimum Duct Size

Round - 6" minimum

Rectangular - 3-1/4" x 10" minimum (requires a 6" to 3-1/4" x 10" adaptor, not supplied)

IMPORTANT

A minimum of 6" round (standard for this range hood) or 3-1/4" x 10" rectangular duct (purchased separately) must be used to maintain maximum airflow efficiency.

Flexible 6" round duct provided for convenience, always use rigid type metal/aluminum ducts if available to maximize airflow when connecting to provided duct.

Please use Duct Run Calculation below to compute the total available duct run when using elbows, transitions and caps.

Always, when possible, reduce the number of transitions and turns. If long duct run is required, increase duct size from 6" to 7"- 8". If a reducer is used, install a long reducer instead of a pancake reducer. Because reducing duct size will restrict and decrease airflow, reduce duct size as far away from opening as possible.

If turns or transitions are required: Install as far away from opening and as far apart, between 2, as possible.

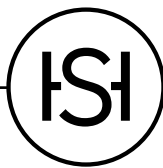
Minimum mount height between stove top to hood bottom should be no less than 28".

Maximum mount height between stove top to hood bottom should be no higher than 31".

It is important to install the hood at the proper mounting height. Hoods mounted too low could result in heat damage and fire hazard; hoods mounted too high will be hard to reach and will lose performance and efficiency.

If available, also refer to stove top manufacturer's height clearance requirements and recommended hood mounting height above range.

Note: Due to different ceiling height configurations, recommended height may not be applicable.



CALCULATING VENT SYSTEM LENGTH

To calculate the length of the system you need, deduct the equivalent feet for each vent piece used in the system from the recommended maximum duct run.

Duct Run Calculation:	
Recommended maximum run	
6" or 3-1/4 x 10" duct	50 ft
Vent piece deduction	
Each 90° elbow used	9 ft
Each 45° elbow used	5 ft
Each 6" to 3/14 x 10" transition used	7 ft
Side wall cap with damper	0 ft
Roof cap	0 ft

Duct Run Calculation example:

One roof cap, two 90° elbow, and one 45° elbow used:

0ft + 9ft + 9ft + 5ft = 23ft used.

Deduct 23ft from 50ft, 27ft maximum available for straight duct run.

VENTING METHODS

This range hood is factory set for venting through the roof or wall. For non-vented (re-circulating) installations, see "Recirculating (Non-Vented) Kit".

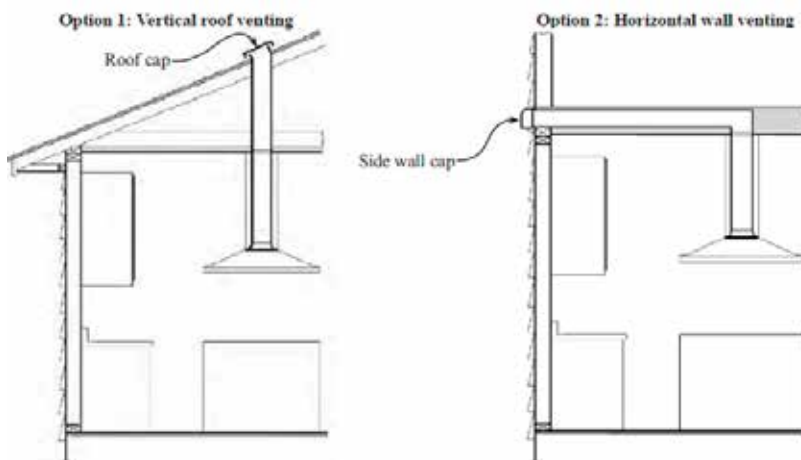
Vent work can terminate either through the roof or wall. To vent through a wall, a 90° elbow is needed.

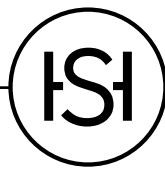
Important: Never exhaust air or terminate duct work into spaces between walls, crawl spaces, ceiling, attics or garages. All exhaust must be ducted to the outside.

Use metal/aluminum duct work only.

Fasten all connections with sheet metal screws and tape all joints with certified Silver Tape or Duct Tape.

Use caulking to seal exterior wall or roof opening around the cap.





DUCTLESS CONVERSION

Ductless conversion is intended for applications where exhaust duct work cannot be installed. When converted, the hood functions as a purifying hood rather than an exhaust hood. Fumes and exhaust from cooking are drawn and filtered by a set of charcoal filters. The air is then purified and re-circulated back within the home.

We recommend to always exhaust air outside of the home by employing existing or installing new duct work if possible. Only convert the hood into a purifying unit when the exhaust option is not available.

When converted to be a “purifying” unit, a set of charcoal filters and an air-diverter are required in addition to the standard aluminum filter set, all available at your local resellers. The standard aluminum filters are intended to capture residue from cooking, the optional charcoal filters help to purify fumes exhausted from cooking, and the optional air-diverter redirects filtered clean air back to the house.

CHARCOAL FILTER INSTALLATION

If you purchased the range hood with re-circulating kit from Signature Hardware, the charcoal filters are preinstalled.

1. Remove aluminum filters on hood.
2. Remove the safety filter under the aluminum filter by unscrewing 2 screws, and position the charcoal filter and align the screw holes, reinstall and fasten two screws.
3. Reinstall the aluminum filters back to the hood.
4. Charcoal filters must be replaced after 120 hours of use (or approximately every 2 to 3 months based on the average of 1 to 2 hours of daily cooking time).

ELECTRICAL REQUIREMENTS

Observe all governing codes and ordinances. (Please consult with a qualified electrician for 220-Volt 50 Hz voltage)

It is the customer's responsibility:

1. To contact a qualified electrical installer.
2. To assure that the electrical installation is adequate and in conformance with National Electrical Code, ANSI/NFPA 70 or the latest edition, or CSA Standards C22. 1-94, Canadian Electrical Code, Part 1 and C22. 2 No.0-M91 or the latest edition, and all local codes and ordinances.

If a separate ground wire is used (code permitting), it is recommended that a qualified electrician determine that the ground path is adequate.

A 120-Volt, 60 Hz, AC-only (USA & Canada standard), fused electrical supply is required on a separate 15-amp circuit, fused on both sides of the line.

Do not ground to a gas pipe.

Check with a qualified electrician if you are not sure that the range hood is properly grounded.



Do not have a fuse in the neutral or ground circuit.

Important: Save this Installation Guide for electrical inspector's use.

The range hood must be connected with copper wire/plug only.

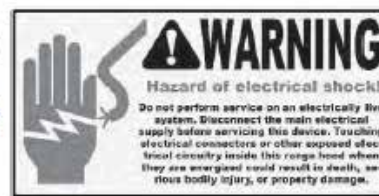
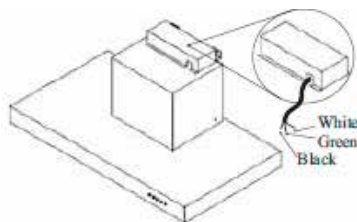
The range hood should be connected directly to the fused disconnect (or circuit breaker) box through flexible armored or non-metallic sheathed copper cable. A U.L. or C.S.A. listed strain relief must be provided at each end of the power supply cable. Do not use an extension cord or adapter plug with this appliance.

Always use plug provided. If not possible, connect three wires according to color (black to Hot, white to Neutral, and green to Ground) to house wires and cap with wire connectors.

Wire sizes (copper wire only) and connections must conform with the rating of the appliance as specified on the model/serial rating label. Wire sizes must conform to the requirements of the National Electrical Code ANSI/NFPA 70 or the latest edition, or CSA Standards C22. 1-94, Canadian Electrical Code Part 1 and C22.2 No. 0-M91 or the latest edition and all local codes and ordinances. A U.L. or C.S.A. listed conduit connector must be provided at each end of the power supply cable (at the range hood and at the junction box).

Copies of the standards listed may be obtained from:
National Fire Protection Association
Batterymarch Park
Quincy, Massachusetts 02269

CSA International
8501 East Pleasant Valley Road
Cleveland, Ohio 44131-5575



PREPARATION

Advanced Preparations:

1. Be familiar with the controls of the range hood by reading through "Range Hood Operations."
2. Place the range hood on a flat, stable surface. Connect the range hood to a designated standard outlet (please refer to the product label for the suitable voltage of this unit) and turn on the range hood. Verify all operations of the range hood by referring to "Range Hood Operations."
3. Place all supplied parts and required hardware on a flat, stable surface.
4. Carefully remove the white plastic protective coat from the chimney covers and range hood.

Preparations:

To avoid damage to your hood, prevent debris from entering the vent opening.

1. Determine and mark the center line on the ceiling where the range hood will be installed. Make sure there is proper clearance within the ceiling or wall for exhaust vent.



2. Due to the weight and size of this unit, please make sure that the support system or framework being used is stable and secure in the wall.

3. Put a thick, protective covering over counter top, cook top or range to protect from damage or dirt. Remove any hazardous objects around the area when installing.

4. Mark the locations of the support mounting bracket holes, vent cutout (if used) and power supply cable cutout on the ceiling. Use drill and saber saw or keyhole saw to cut openings for power supply cable and vent (see "Venting Requirements" and "Electrical Requirements").

5. If venting to the outside, install vent system (see "Venting Requirements"). Use caulking to seal exterior wall or roof openings.

6. Disconnect main electrical supply, prepare and run electrical wiring through ceiling or wall. Leave approximately 12" of electrical cord hanging from the ceiling. Do not restore power until wiring is completed.

7. Disconnect power cord, remove the aluminum filter by pressing on the latch toward the direction of solid arrow while holding the metal handle, gently pull the aluminum filter toward the direction of dashed arrow as shown in figure 1.

8. If charcoal filter is present, unscrew the 2 screws and remove the filter.

9. Set aside the aluminum filters and charcoal filter until the range hood is properly installed.

10. If the range hood comes with a glass canopy and has not already been mounted to the hood, loosen the 4 canopy screws and washers from the hood top, carefully place the canopy on the hood top, and loosely tighten the 4 canopy screws along with washers. Do not put excessive pressure against the glass.

INSTALLATION

1. As illustrated in Figure 1A, drill four (4) holes with diameter not exceeding 5/8" and depth of 3" to 3-1/2" into the false ceiling. Fasten two (2) hexagonal wood screws at two (2) of these holes opposite from each other, reserve approximately 1/8" for the top support plate as shown in Figure 1B. Cut out a circle of 7-1/2" diameter for duct work. Use appropriate anchors for your ceiling composition:

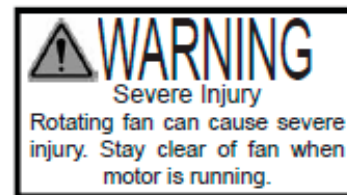
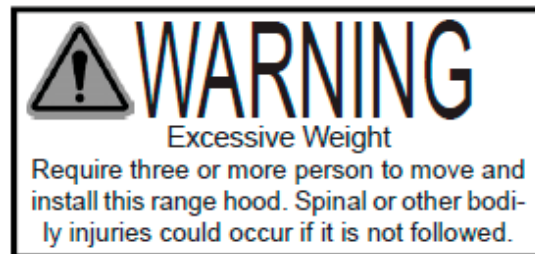
Wood ceiling: Use the provided hexagonal wood screw.

Sheet rock ceiling: Attach top supporting plate to ceiling joists or stud blockings if possible. If ceiling joists or stud blockings are not available, it is required to build a supporting structure behind the sheet rock for best weight support.

Concrete ceiling: Use designated screws (not provided).

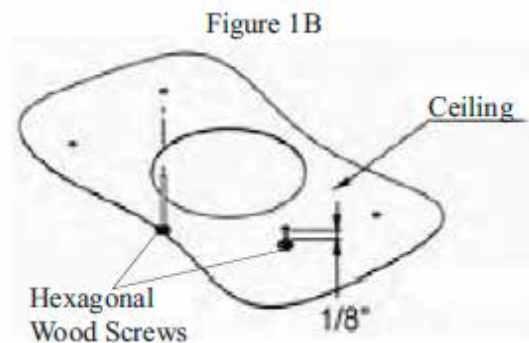
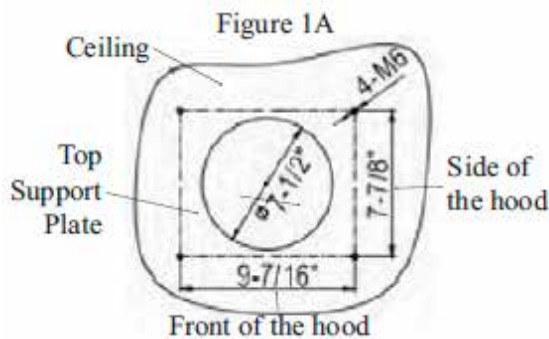
2. Place support frames inside the top support plate, adjust support frames to length required and lock the support frames using sixteen (16) 4mm x 8mm Phillips head tapping screw as shown in Figure 2.

3. Align the holes in top support plate with two (2) screws on the ceiling. Push upward (1) and slide forward (2) so the top of the supporting plate locks into place, see Figure 3. Fasten two (2) remaining hexagonal wood screws, insert two (2) more in the remaining holes and fasten them.



Caution: Make sure the support frame fixture is secure before releasing.

4. As shown in Figure 4A, 4B and 4C, slide in both upper chimney and lower chimney, pay extra attention to sharp edges on the chimneys and minimize chimney movements to avoid scratches on the chimneys. You may use a screwdriver to prevent them from sliding down as illustrated in Figure 4C. Make sure the screwdriver can withstand the weight.

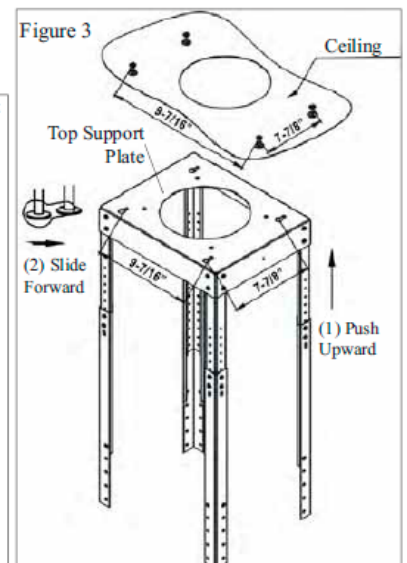
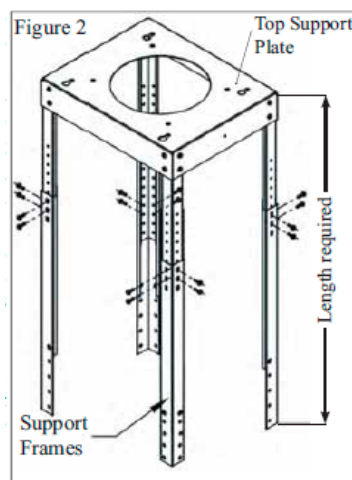


5. Recirculating (Non-Vented) Kit: If Re-Circulating Kit is not purchased, skip this step. Place the air diverter directly above the range hood with its 6" round hole facing downward and secure it with four (4) 4mm x 8mm philips head tapping screws.

6. Install the duct set onto the body of the hood by using six (6) 4mm x 16mm phillips head tapping screws. Install aluminum duct tube on the duct set and make sure all joints are secured and air tight.

Note: Due to excessive weight, two or more people are recommended for this step.

7. Install the hood body onto the support frame and secure it with sixteen (16) 4mm x 16mm phillips head tapping screws, see Figure 6A. Make sure the hood is secure before releasing. Run the duct tube and power cord through the top support plate above the ceiling, see Figure 6B.



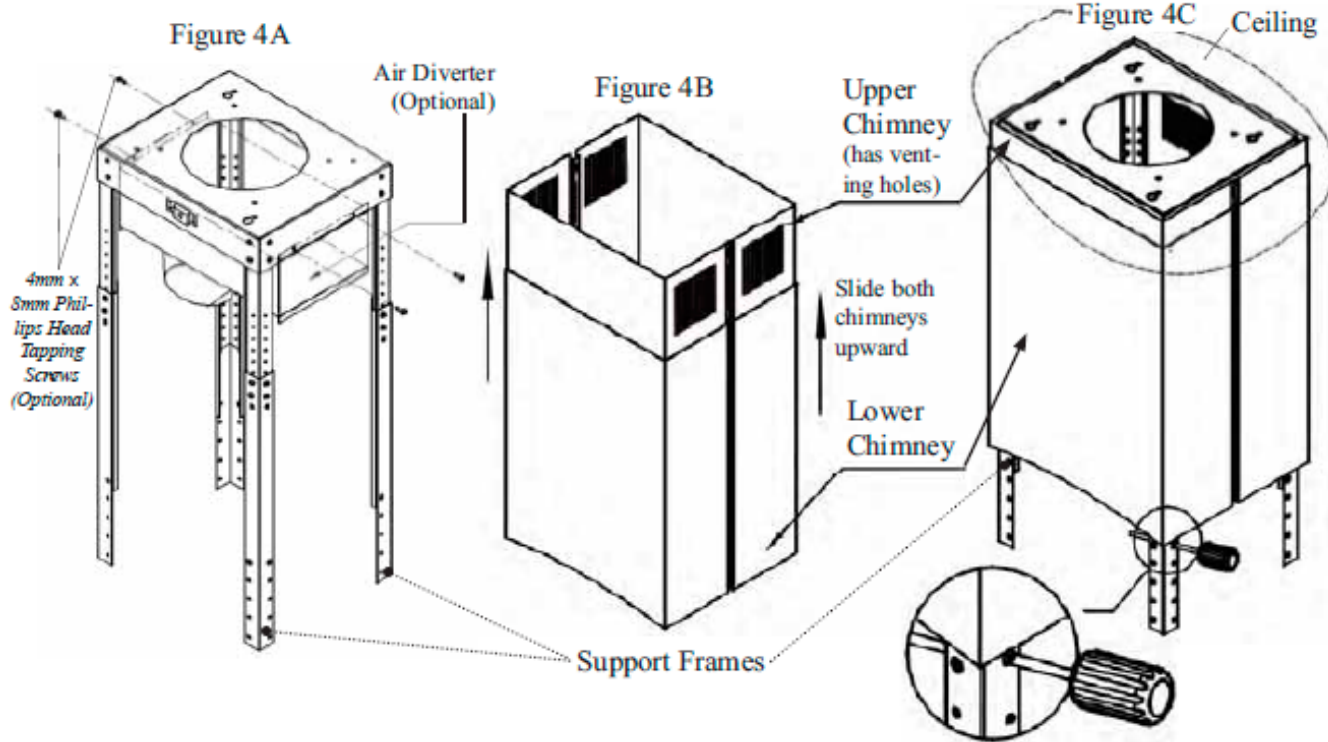
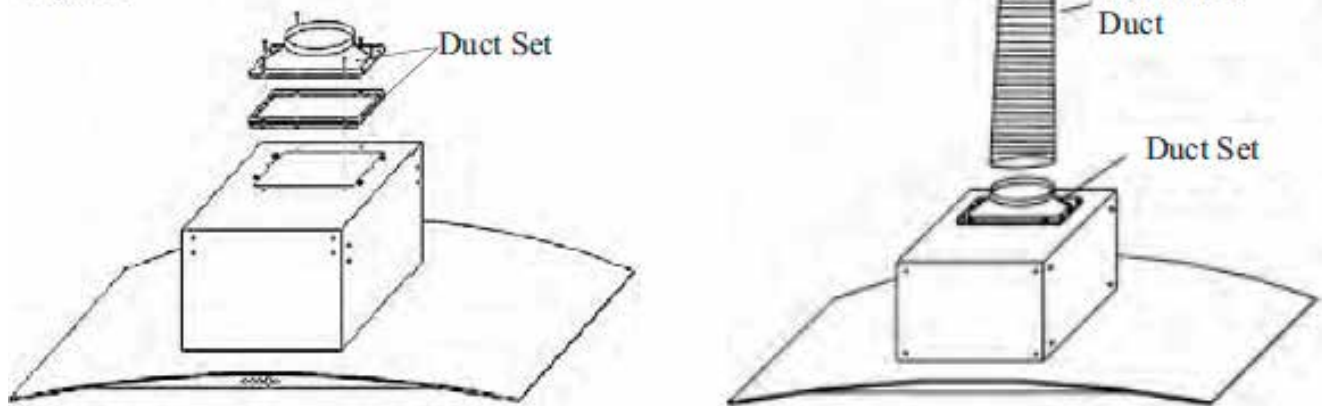
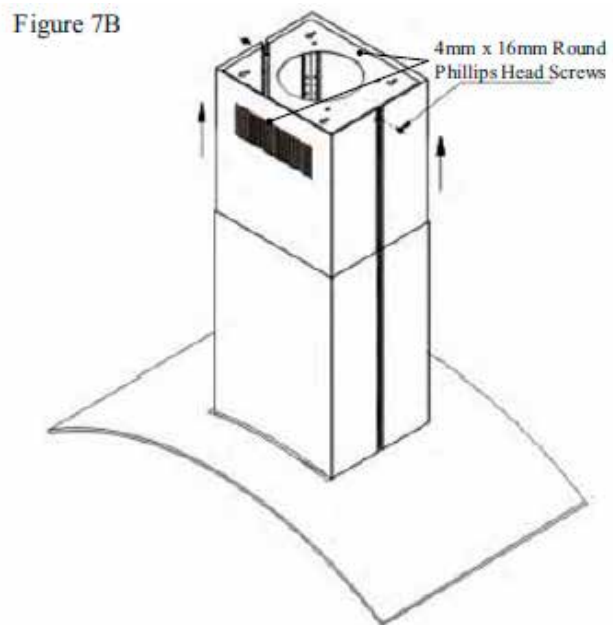
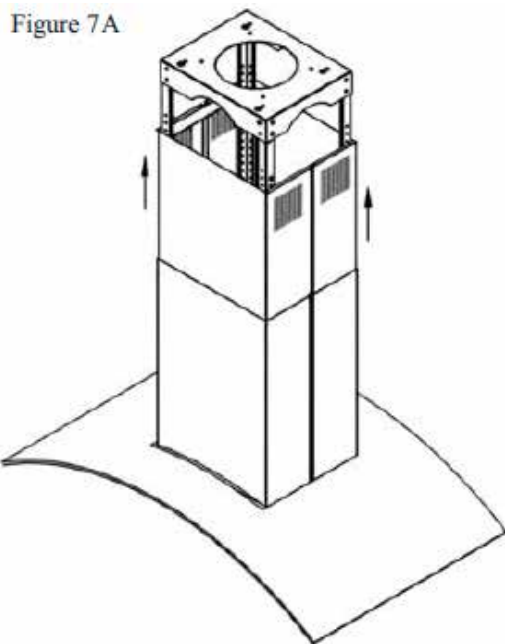
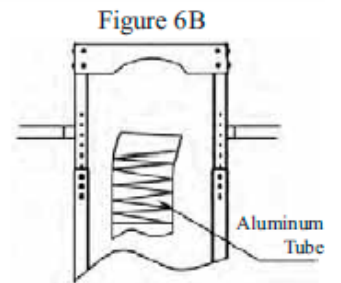
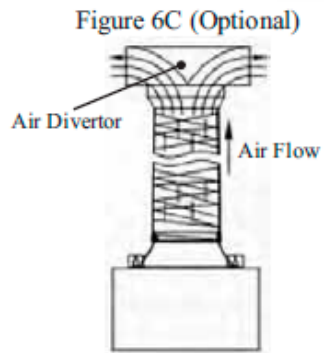
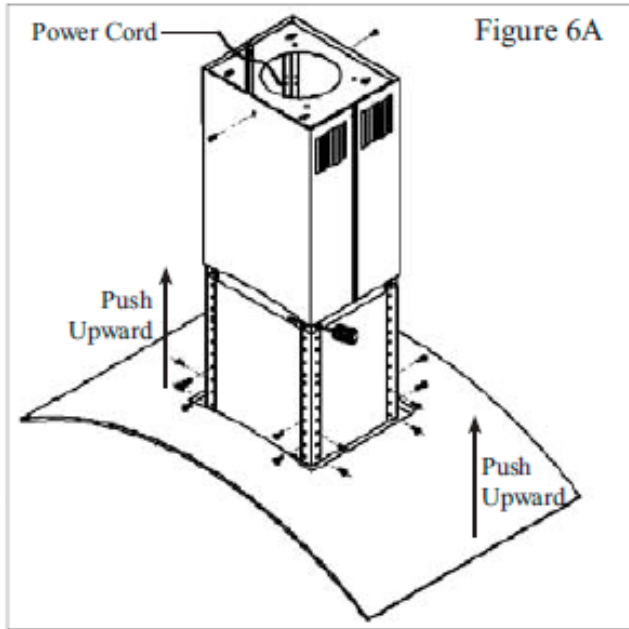


Figure 5



8. **Recirculating (Non-Vented) Kit:** If Re-Circulating Kit is not purchased, skip this step. Install the duct tube onto the air diverter and use duct tape to ensure a secure and air tight connection. See Figure 6C.

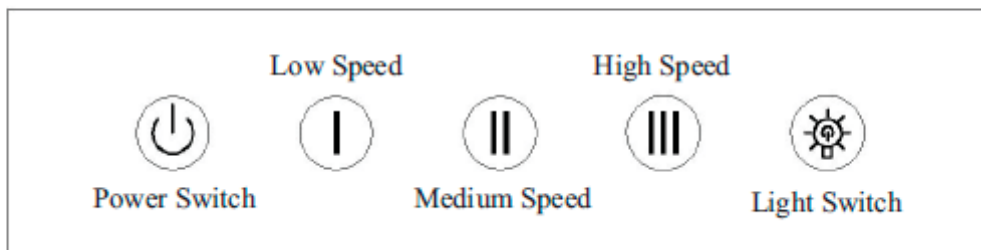
9. Hold upper chimney and lower chimney into position and remove the screwdriver that is holding them up. Slowly slide down both chimneys until they sit on the hood. Connect the duct work and power cable, see figure 7A. Bring the upper chimney up until it reaches the ceiling, secure it with two (2) 4mm x 16mm round Phillips head screws as shown in Figure 7B.





RANGE HOOD OPERATIONS AND WIRING DIAGRAM

SV168/198 Series Standard Class (3 Speed Mechanical Control)



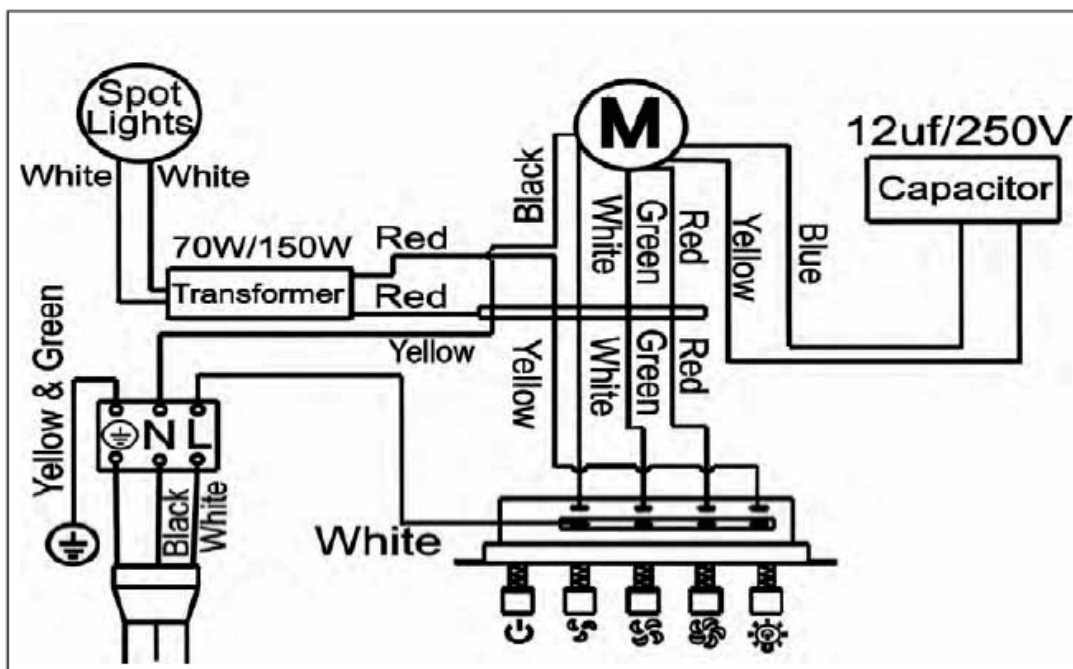
Turn On:

Press the speed control (Low Speed, Medium Speed, High Speed) switch to select the desired level of power. Once button is pressed, the previous speed mode will cancel.
Press the Light Switch to power on the lights.
Do not touch the lights until switched OFF and cooled.

Turn Off:

Press the Power Switch to turn off the power.
Press the Light Switch to power off the lights.
Activating the timer function: While the blower (motor) is running, press and hold Power button for over 3 seconds to activate delay off timer. Power-off delay indicator will lit up and power-off delay digital timer will begin to countdown, when it reaches zero, the blower (motor) will shut down.

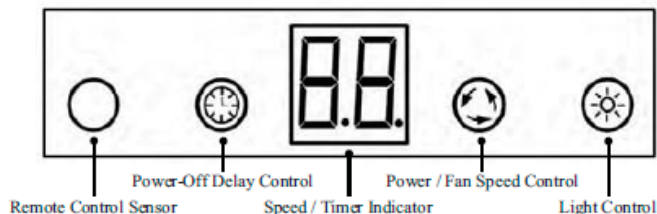
SV168/198 Series Standard Class Wiring Diagram





RANGE HOOD OPERATIONS AND WIRING DIAGRAM (CONTINUED)

SV168/198 Series “R” Class (4 Speed Electronic Control w/ Remote)



This range hood is equipped with a credit card size remote control (approximately 20ft range), three built-in electronic controls, a powerful centrifugal squirrel cage motor, grease filters and two bright 12V 20W halogen lights.

The three built-in electronic buttons control the power of the Lights, Power-Off Delay and Fan Speeds: Quiet (F1), Low (F2), Medium (F3) and High (F4). The Power-Off Delay offers up to 99 minutes delay shutoff. The Light Control operates independently from the Power / Fan Speed Control but can be turned OFF the delay shutoff function.

Turning Fan ON using built-in electronic controls:

Always turn fan ON before cooking to establish air flow and allow fan to run for a few minutes after cooking for cleaner air in the kitchen.

Press the Power/Fan Speed Control button once to activate the fan at Quiet (F1) mode. The Speed / Timer Indicator will activate to indicate fan speed.

To change the fan speed, press the Power / Fan Speed Control button. Each press will cycle through Quiet (F1), Low (F2), Medium (F3), High (F4) Speed and OFF (00). The Speed / Timer Indicator will change accordingly.

Turning Fan OFF using built-in electronic controls:

The Power-Off Delay function will turn OFF both fan and lights.

1 to 99 Minute Delay

While the fan is operating, press Power-Off Delay Control button once, the Speed / Timer Indicator will display a 15-minute timer then flash for three seconds. While flashing, the timer can be adjusted by 1 minute increments, with the default set at 15 minutes, from as short as 1 minute to as long as 99 minutes. After the desired setting has been achieved, the Speed / Timer Indicator will return to fan speed mode and Power-Off Delay Control button will flash until power OFF after a few seconds. Changing speed does not affect the delay shutoff function.

While the fan is OFF, press Power-Off Delay Control button once will turn ON the fan at Quiet (F1) mode with 15 minutes delay shut off activated.

Immediate Power-off

While the fan is operating, press the Power / Fan Speed Control button one to four times until Speed / Timer Indicator shows “00” to turn OFF the fan immediately. NOTE: Power / Fan Speed Control cycle through Quiet (F1), Low (F2), Medium (F3), High (F4) Speed and OFF (00).



RANGE HOOD OPERATIONS AND WIRING DIAGRAM (CONTINUED)

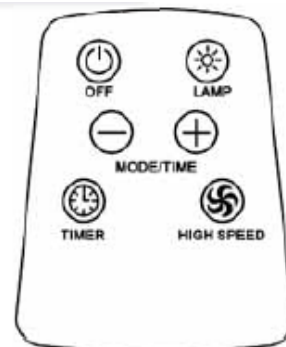
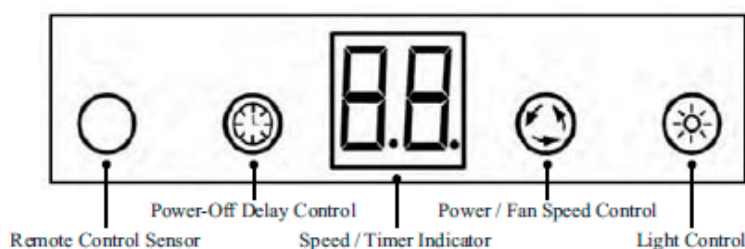
Light Control using built-in electronic controls:

Light Control button operates independently from the Power / Fan Speed but can be turned OFF by the Power-Off Delay function. Activating the delay function will turn halogen lights OFF.

Do not touch the lights until switched OFF and cooled.

While the halogen lights are OFF, press the Light Control button once to turn halogen lights ON. Light

SV168/198 Series “R” Class (4 Speed Electronic Control w/ Remote)



The credit card size remote control controls the power of the Lights, Power-Off Delay, Power (ON, OFF) and Fan Speeds: Quiet (F1), Low (F2), Medium (F3) and High (F4). The Power-Off Delay offers up to 99 minutes delay shut-off. The Light Control operates independently from the Power / Fan Speed Control but can be turned OFF with the delay shutoff function.

Turning Fan ON using remote control:

Always turn fan ON before cooking to establish air flow and allow fan to run for a few minutes after cooking for cleaner air in the kitchen.

Press the button with the “-”, or “minus sign”, once to activate the fan at Quite (F1) mode, once again to turn OFF the fan. The Speed/Timer Indicator will activate to indicate fan speed.

While the fan is operating at Quite (F1) mode, press the button with the “+”, or “plus sign” to increase fan speed. Each press will go through Low (F2), Medium (F3), High (F4) Speed, then OFF (00). The Speed/Timer Indicator will change accordingly.

Press the “+” button once to activate the fan at Medium (F3) Speed. Each press will cycle through Medium (F3), High (F4) Speed and OFF (00).

Press the High Speed button once to activate the fan at High (F4) Speed, once again to turn OFF the fan.

Turning Fan OFF using remote control:

The Power-Off Delay function will turn OFF both fan and lights.

1 to 99 Minute Delay

While the fan is operating, press the TIMER button once, the Speed/Timer Indicator will display a 15-minute timer and flash for three seconds. While flashing, the timer can be adjusted by 1 minute increments by



pressing the “+” button and 1 minute decrements by pressing the “-” button, with the default set at 15 minutes, from as short as 1 minute to as long as 99 minutes. After the desired setting has been achieved, the Speed/Timer Indicator will return to fan speed mode and Power-Off Delay Control button will flash until power OFF after a few seconds. Changing speed does not affect the delay shutoff function.

While the fan is OFF, press the TIMER button once to turn ON the fan at Quiet (F1) mode with a 15 minute delay shut off activated.

Immediate Power-off

While the fan is operating, press the OFF button once to turn OFF the fan immediately.

Light Control using remote control:

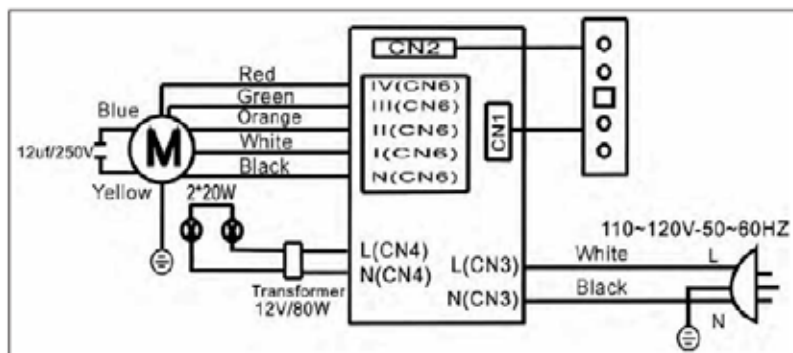
The LAMP button operates independently from the other buttons but can be turned OFF by the OFF and TIMER function. Activating the delay function will turn halogen lights OFF.

Do not touch the lights until switched OFF and cooled.

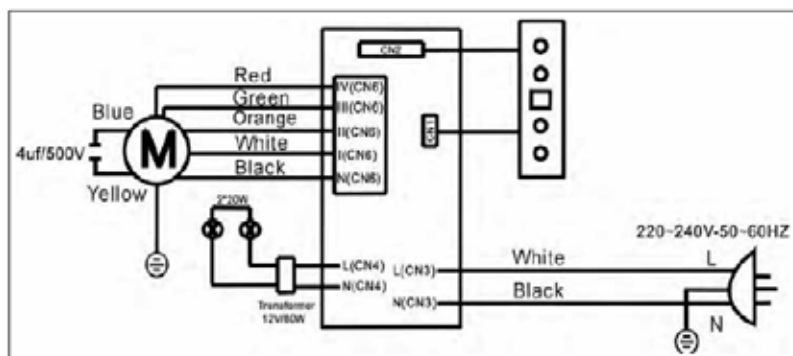
While the halogen lights are OFF, press the LAMP button once to turn halogen lights ON. Light Control button will light up.

Press the LAMP button again to turn OFF the lights.

SV168 Series “R” Class Wiring Diagram



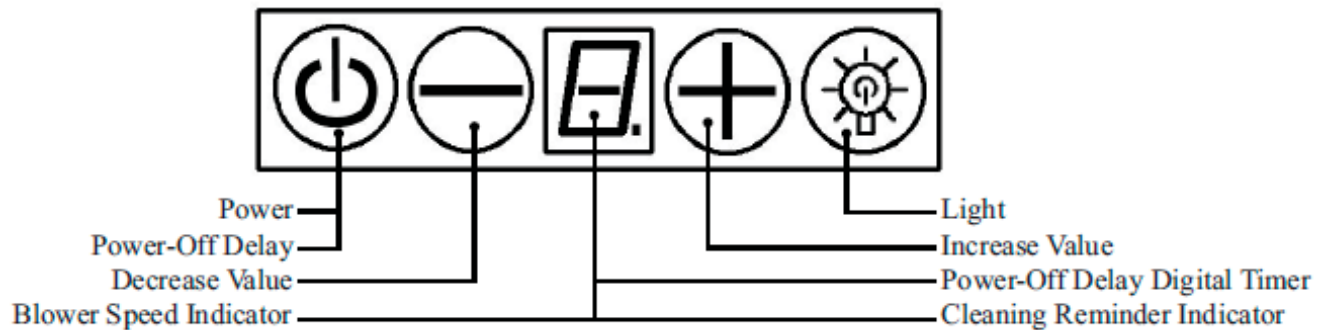
SV198 Series “R” Class Wiring Diagram





RANGE HOOD OPERATIONS AND WIRING DIAGRAM (CONTINUED)

SV168/198 Series “E” Class (4 or 6 Speed Electronic Touch Control)



The range hood is designed to remove smoke, cooking vapors and odors from the cook top area. For best results, start the range hood before cooking and allow it to operate several minutes after the cooking incomplete to clear all smoke and odors from the kitchen.

Button functions:

Power: Power ON/OFF and activate power-off delay timer.

Decrease Value: Blower (motor) speed decrease, timer value decrease, and enter timer mode.

Increase Value: Blower (motor) speed increase, timer value increase, and cleaning reminder reset.

Blower Speed Indicator: Shows current blower (motor) speed (1-4 or 1-6).

Light: Turns ON/OFF and dim halogen lights.

Power-Off Delay Digital Timer: Indicates the length of time left for delay off function.

Controls:

Automatic cleaning reminder:

When blower (motor) starts to rotate, cumulative running time reached 30 hours then the Cleaning Reminder Indicator “C” flashes and reminds user to clean the aluminum filter.

After cleaning the filter and when the motor is not in use, press and hold Increase Value button over 3 seconds to reset the timer. Please note that turning off the system will not reset the Power-On Elapsed Digital Timer.

Adjusting the blower (motor) speed:

Press Power button once to turn on the system. The Blower Speed Indicator shows the blower (motor) speed level. Decrease Value button will decrease the speed of the blower (motor) from 4 or 6 to 1 (strongest to quietest). Increase Value button will increase the speed of the blower (motor) from 1 to 4 or 6 (quietest to strongest).

Press Power button once to turn off the system.

The system saves user configurations, settings such as light, timer and blower (motor) speed will remain the same the next time it is turned on.



Adjusting the timer function:

While the blower (motor) is not running, press and hold Decrease Value button over 3 seconds to enter timer mode. Adjust to desired period of delay off timer by pressing Increase Value or Decrease Value button (minimum 1 minute to maximum 9 minutes). This setting will be saved immediately.

Activating the timer function:

While the blower (motor) is running, press and hold Power button for over 3 seconds to activate delay off timer. Power-Off Delay Digital Timer begin to countdown, when it reaches zero, the blower (motor) will shut down.

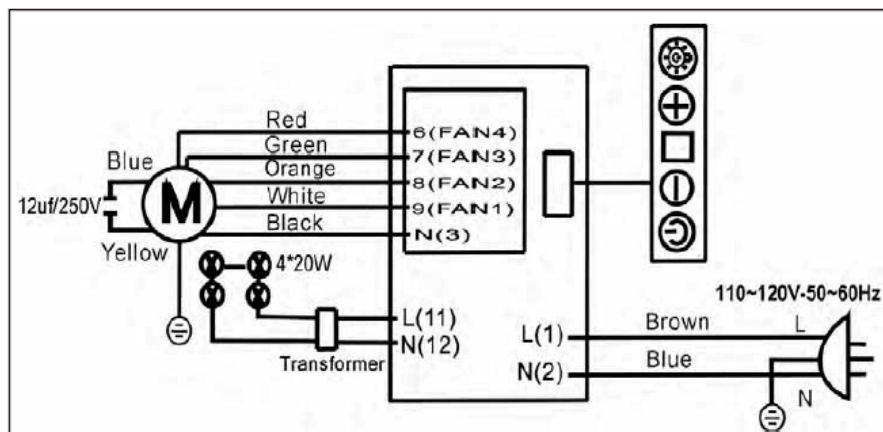
Adjusting the light:

Press Light button once to turn on the lights, and once again to turn off the lights.

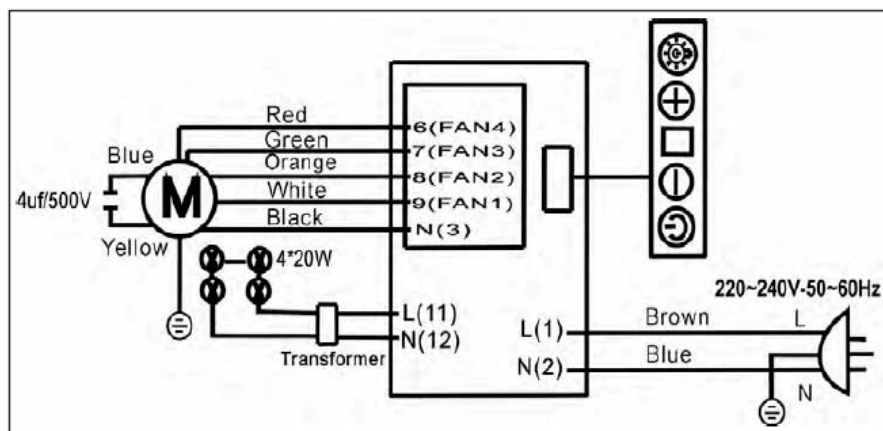
While the lights are off, press and hold Light button for over 3 seconds to dim the lights from high to low. Level of brightness will be stored in system's memory.

RANGE HOOD OPERATIONS AND WIRING DIAGRAM (CONTINUED)

SV168 Series "E" Class Wiring Diagram (4 Speed)



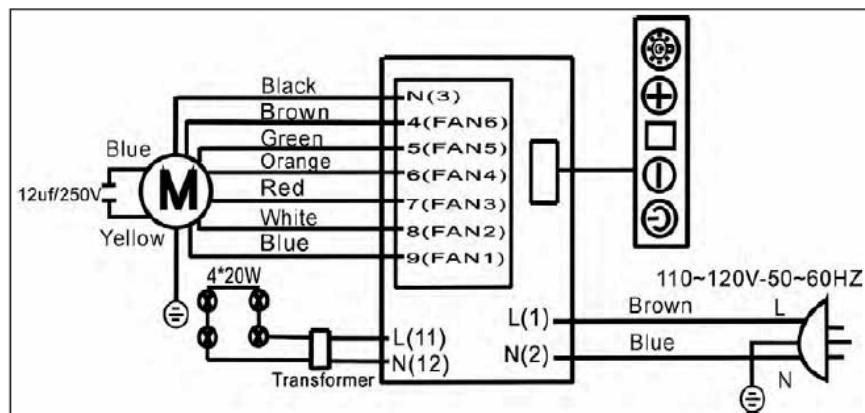
SV198 Series "E" Class Wiring Diagram (4 Speed)



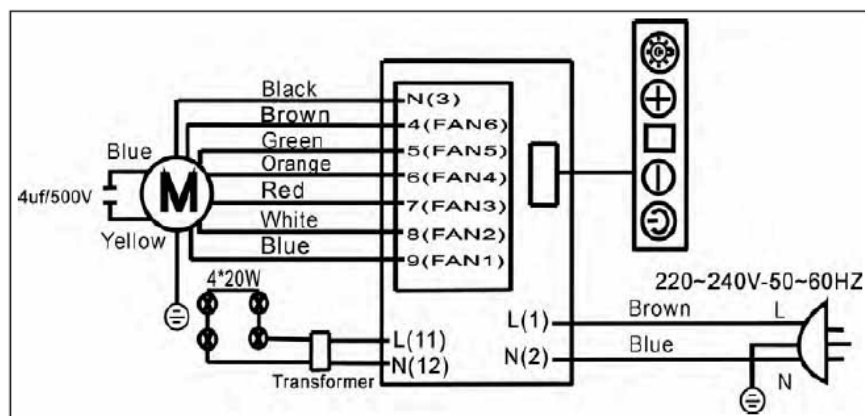


RANGE HOOD OPERATIONS AND WIRING DIAGRAM (CONTINUED)

SV168 Series "E" Class Wiring Diagram (6 Speed)



SV198 Series "E" Class Wiring Diagram (6 Speed)



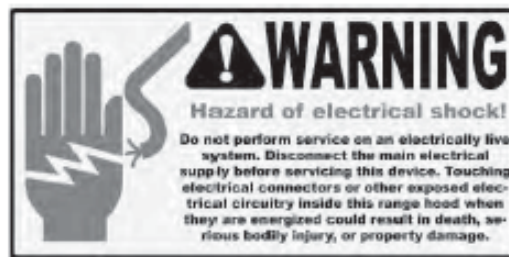
TROUBLESHOOTING

1. If the range hood or halogen light does not operate after installation:
Verify that the range hood has been plugged in, make sure that all power has been turned back ON, the fuse has not blown and all electrical wiring is properly connected.
Swap out light assembly with working assembly to determine if it is caused by defective bulbs. See "Replacing the light bulbs".
2. The range hood vibrates when the blower is on:
The range hood might not have been secured properly to the ceiling or wall. Check with your installer.
3. The blower or fan seems weak:
Make sure that the duct sized used is at least 6" or 3 -1/4x10". Range hood will not function efficiently with insufficient duct size. For example: 7" duct over 6" hole and loosely secured.
Check if duct is clogged or if damper unit (half-circular flapper) is not installed correctly or opening properly.
A tight mesh on a side wall cap unit might also cause restriction to the air flow.



4. The lights work but the blower is not spinning at all, it is stuck or it is rattling:

The blower might be jammed or scraping the bottom due to shipping damages. Please contact Customer Service immediately.



5. The hood is not venting out properly:

Make sure the distance between the stove top and the bottom of the hood is within 28"-31" in distance.

Reduce the number of elbows and length of duct work. Check if all joints are properly connected, sealed, and taped.

Make sure the power is on high speed for heavy cooking.

6. Purpose of the slots/holes/openings near the top of the upper chimney:

These slots/holes/openings are used to exhaust cleaned air with optional re-circulating kit. If you did not install one, you do not need them.

For all other inquiries, please contact Customer Service.

USE AND CARE INFORMATION

Operations:

Read and understand all instructions and warnings in this manual before operating the appliance. Save these instructions for future reference.

Always leave safety grills and filters in place. Without these components, operating blowers could catch on to hair, fingers and loose clothing.

Never dispose cigarette ashes, ignitable substances, or any foreign objects into blowers.

Never leave cooking unattended. When frying, oil in the pan can easily overheat and catch fire. The risk of self combustion is higher when the oil has been used several times.

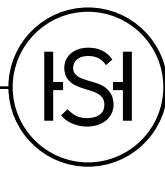
Never cook on "open" flames under the range hood. Check deep-fryers during use, superheated oil may be flammable.

Cleaning:

The saturation of greasy residue in the blower and filters may cause increased inflammability. Keep unit clean and free of grease and residue build-up at all times to prevent possible fires.

Filters must be cleaned periodically and free from accumulation of cooking residue (see "Cleaning Instructions"). Old and worn filters must be replaced immediately.

Do not operate blowers when filters are removed. Never disassemble parts to clean without proper instructions. Disassembly is recommended to be performed by qualified personnel only. Read and understand all instructions and warnings in this manual before proceeding.



Specifications*:	
Body	Stainless Steel / Tempered Glass
Power Rating	220V/50Hz or 120V/60Hz (USA & Canada standard)
General Input Power	240 W (160W + 4x20W)
Motor Input Power	160 W
Motor Revolution	800 RPM (±10%) to 1300 RPM (±10%)
Levels Of Speed Control	3 / 4 / 6 Levels
Maximum Airflow	860 CFM
Air Pressure	150 Pa (200 Pa Maximum)
Noise Level (dB / sone)	Approximately 35 / 0.7 to 67 / 6.5 (Lowest to highest Speed)
Motor Type	Single Chamber Ultra Quiet
Fan Type	Centrifugal / Sirocco
Control Type	3 Spd Mechanical / 4 Spd Elec. + Remote / 4 or 6 Spd Elec. Touch
Filtration Type	Aluminum Filter
Illumination	20W 12V Maximum
Venting Size	Top, 6 inches Round
Interference Protection	Radio Frequency Interference Protected

MAINTENANCE

Safety Warning: Never put your hand into area housing the fan while the fan is operating.

For optimal operation, clean range hood and all baffle/spacer/filter/grease tunnel/oil container regularly. Regular care will help preserve the appearance of the range hood.

Cleaning Exterior surfaces:

Clean periodically with hot soapy water and clean cotton cloth. Do not use corrosive or abrasive detergents, or steel wool/scoring pads, which will scratch and damage the stainless steel surface. For heavier soil use liquid degrease such as "Formula 409" or "Fantastic" brand cleaner.

If hood looks splotchy (stainless steel hood), use a stainless steel cleaner to clean the surface of the hood. Avoid getting cleaning solution onto or into the control panel. Follow the directions of the stainless steel cleaner. Do not leave on too long as this may cause damage to hood finish. Use soft towel to wipe off the cleaning solution and gently rub off any stubborn spots. Use dry soft towel to dry the hood.

After cleaning, you may use non abrasive stainless steel polish to polish and buff out the stainless luster and grain. Always scrub lightly with clean cotton cloth and with the grain.

Do not use ordinary steel wool or steel brushes. Small bits of steel may adhere to the surface and cause rusting.

Do not allow salt solutions, disinfectants, bleaches, or cleaning compounds to remain in contact with stainless steel for extended periods. Many of these compounds contain chemicals, which may be harmful. Rinse with water after



exposure and wipe dry with a clean cloth.

Cleaning Aluminum Grease Filter/Stainless Steel Filterless Grill:

Drain oil from oil containers before oil and residue overflow.

The metal filters fitted by the factory are intended to filter out residue and grease from cooking. Filters may not need to be replaced on a regular basis but are required to be kept clean.

Filters should be cleaned after every 30 hours of use.

Remove and clean by hand or dishwasher. Spray degreasing detergent and leave to soak if heavily soiled. Dry filters and re-install before using hood.

Replacing Filters:

Should filters wear out due to age and prolonged use, please contact your local reseller for replacement filters. Also replace damaged filters if there is punctured or broken mesh, or a bent or broken frame.

Replacing the light bulb:

This range hood uses halogen bulbs (please refer to the actual specification of the hood purchased):
20W 12V.

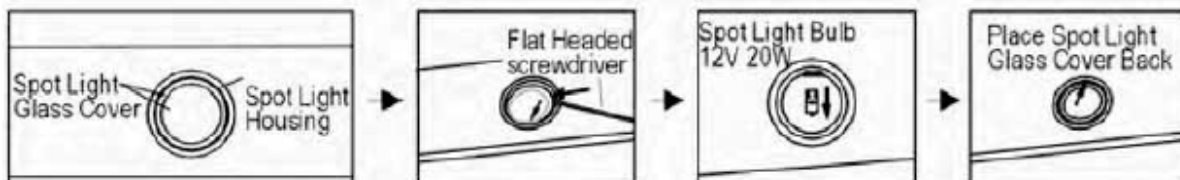
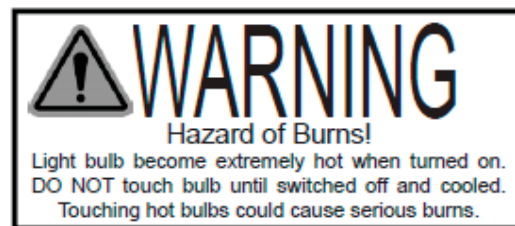
Product ID: SV168/198-ACS-HAL20W GU10 220V

Make sure the range hood is unplugged or turn OFF breaker.

Make sure the lights are cool to touch, turn the inner ring counter-clockwise with a small flat head screw driver then pop out the protective covering.

Install a new halogen light bulb and reverse the steps.

Turn ON breaker and range hood to test for operation.





WARRANTY

To obtain service under warranty you must present proof of the original purchase date. Please provide an original dated proof of purchase (sales receipt/invoice) in order to obtain service under warranty.

5 Year Parts Warranty:

For five years from the date of original purchase, your local reseller will provide free of charge, non-consumable replacement parts or components that failed due to manufacturing defects. Subject to the conditions and limitations set forth below, your local reseller will, at its option, either repair or replace any part of its products that prove defective by reason of improper workmanship or materials. Repaired parts or replacement products will be provided by your local reseller on an exchange basis, and will be either new or refurbished to be functionally equivalent to new. The consumer is responsible for all shipping costs. Consumable parts not covered by this warranty include but not limited to: Light bulbs, metal, aluminum and charcoal filters.

Who is Covered:

This warranty is extended to the original purchaser for products purchased for ordinary home use.

This Warranty Will Be Voided When:

Product damaged through negligence, improper installation, accident, abuse, misuse, natural disaster, insufficient or excessive electrical supply, abnormal mechanical or environmental conditions, or any unauthorized disassembly, repair, modification, or failure to follow installation instructions. When product is used commercially or other than its intended purpose, damaged because of improper connection with equipment of other manufacturers, or repaired or modified by anyone other than your local reseller's authorized agents. This limited warranty also does not apply to any product on which the original identification information has been altered, obliterated or removed, has not been handled or packaged correctly or has been sold as second-hand.

What is Not Covered:

Consumable parts such as light bulbs, metal and charcoal filters. The natural wear of finish, and wear due to improper maintenance, use of corrosive and abrasive cleaning products, pads, and oven cleaner products. Chips, dents or cracks due to abuse, misuse, freight damage, or improper installation. Damage of product caused by accident, fire, floods or act of God. The manufacturer and/or distributor/reseller is not liable for, and does not cover under warranty, any loss of properties or any costs associated with removing, servicing, installing, or determining the source of problems with this product.

This warranty is valid in the country of the original purchase at retail. It is non-transferable and applies only to the original purchaser and does not extend to subsequent owners of this product. Any applicable implied warranties, including the warranty of merchantability, are limited in duration to a period of express warranty as provided herein beginning with the date of original purchase at retail and, no warranties, whether express or implied, shall apply to this product thereafter.



DISCLAIMER

Carefully inspect all items for damages before accepting delivery. Note any damages on the freight bill or express receipt and request the name and signature of the carrier's agent and keep copy to support your claim. Upon acceptance of items, owner assumes responsibility for its safe arrival. Report damages to the carrier and file a claim immediately. Failure to do so may result in the denial of your claim. The carrier will furnish you with necessary forms for filing a claim.

Damages caused during transit are not covered under our warranty. Please contact Customer Service to file an insurance claim.

Please inspect contents of package(s) carefully upon receiving. We must be notified of any damages and/or missing parts within five (5) days upon your receipt of package(s). Claims will not be accepted after five (5) days. Items were thoroughly tested and carefully packed in our factory before shipping.

Products must be returned in good working condition with all original parts and documentation packed in all original cartons, fillers and shipping cartons. Returns are subject to a 10% restocking fee, except when merchandise is exchanged for items of equal or greater amount. Exchanges or returns may not be accepted if any packaging is missing.

Make sure to inspect the hood for damages and defects before installation. Appearance flaws of the hood that are found after installation and are not affecting hood performance are not covered under our warranty for returns or exchanges. Service visits not covered under warranty will carry a service charge.

Before Installation: Return for exchange or refund (please see above for acceptable returns).

After Installation: NO exchange or refund.

CONTACT US

If you need any assistance, please contact Signature Hardware. Please have your order number and model of the range hood ready. This information will help us better respond to your request.

If you need replacement parts, we recommend that you only use genuine parts. Our accessories and parts are engineered and designed specifically for this series of range hood, each rigorously tested assuring the utmost in durability and reliability, providing a factory match, factory-installed appearance and functionality tailored to each individual range hood model.

Contact Signature Hardware Customer Service:
1-866-855-2284

Monday - Thursday: 8:00 a.m. to 11:00 p.m.
Friday - 8:00 a.m. to 7:00 p.m.
Saturday - 8:00 a.m. to 5:30 p.m.
Sunday - closed